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Werkstoff	Aend. Ziffer	kommt vor	Aenderungen
SM-Papier DIN A4 ws hf 80g/qm	**00**	**--**	. . (... / ..)

Maszstab	Allgemeintoleranzen	Abteilung		Tag	Name
—	———	sy	1997		
			Bearb	12.09.	Köneking
			Gepr.		Haase
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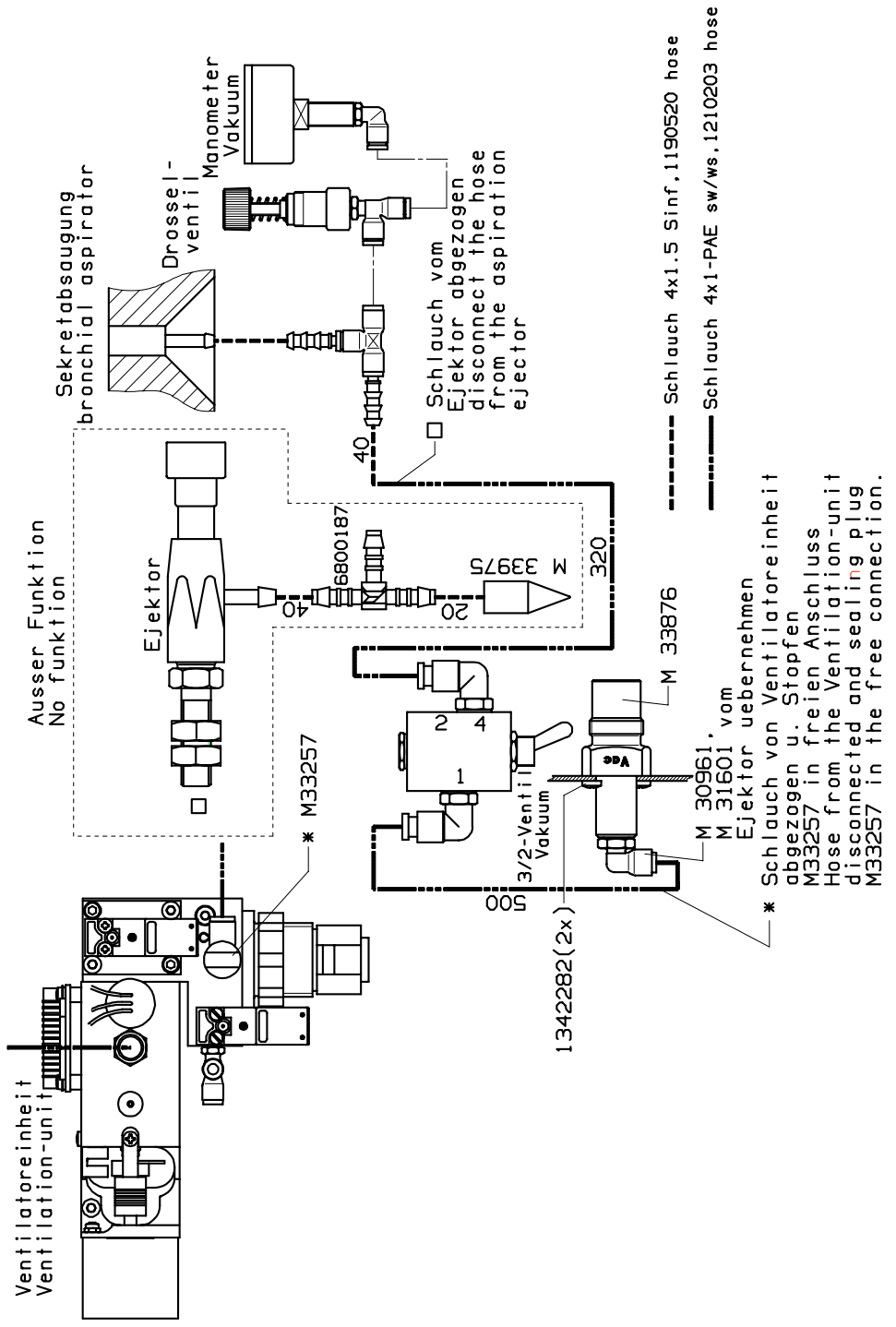

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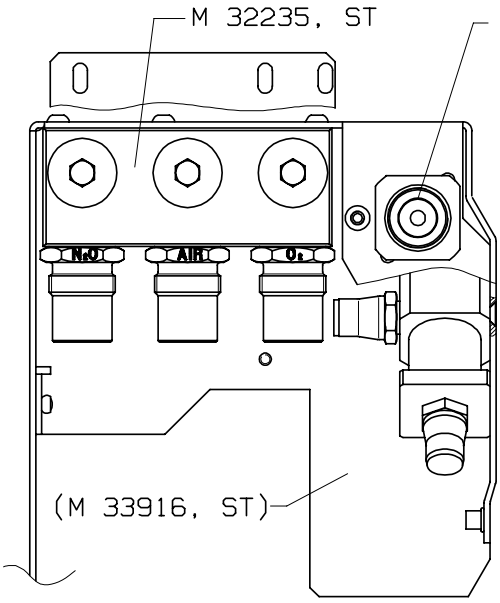

Vakuumanschluss vormontiert mit:

- M 33876, Vorzugsstellung: "Vac" von oben lesbar
- M 30961 und M31601 vom Ejektor abmontieren und mit dem Siebeinsatz D 02316 an das Gehaeuse M 33876 montieren.
- 1342282 (2x) gesichert mit Schraubensicherungslack rot Rc 3000 ISO Elektro
- Kappe, M 33985 (einbauen in Rueckwandblech M 33791, Aussparung Ejektor-Schalldaempfer)
- Kappe, 2M 19126 (im Seitenteil links einbauen)

Vakuum connection pre-assembled with:

- M 33876, prefered position "Vac" on the top
- Remove M30961 and M31601 from the aspiration ejector and atach it with the filterelement D02316 and housing M33876 to the pneumatic module
- 1342282 (2x) sealed with RC 3000 ISO Electro red
- cap, M 33985 (fitted in the location for the ejector-silencer)
- cap, 2M 19126 (fitted left side)

1 General

1.1 Application

The conversion kit is used for converting the bronchial aspirator and involves replacing the existing ejector aspiration device with a vacuum connector.

1.2 Technical Background

At customers' request, the bronchial suction system of the Julian can be connected to the central vacuum supply system.
Compared to vacuum generation by the ejector, the use of mains vacuum aspiration provides about 80% greater suction power.

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The major advantage is improved hygiene. The aspired gas is no longer emitted into the environment via the bacterial filter but is channelled directly to the central vacuum aspiration system.

2 Scope of delivery

- 1 sealing plug M 33257
- 1 housing M 33876
- 1 cap M 33985
- 1 filter element D 02316
- 2 screws 1342282
- 1 cap 2M19126

There is no complet conversion kit; you have to order the single positions.

3 Tools

- 2.5 and 3 Allen keys SW 2.5 und 3
- Recessed-head screwdriver
- Basic equipment tool 7901413
- Biomat spray pump 7901528

4 Job instructions

- Remove the breathing system from the compartment and detach the back wall from Julian; disconnect all hose connections (central supply hoses) and take the pneumatic module out of the housing.
- Detach the hose which connects the 3/2-way vac valve to the ejector at the ejector connection and remove the angled connector M 30961 from the aspiration ejector (View 1); pre-assemble housing M33876 with filter element D 02316, and angled connector M 30961 with the valve ring M31601 and attach to the pneumatic module (2x screws 1342882, View 2).
- Open up the ventilator unit, detach the hose line at the T-piece on the pneumatic block and connect it to the vacuum housing (View 3).
- Using the sealing plug, seal up the open connection at the T-piece on the pneumatic block.
- Break the connection (40mm Si-hose) between aspiration ejector and T-piece 6800187 and reconnect using hose from 3/2-way vac valve (View 1).
- Remove the silencer from the aspiration ejector and press the cap M33985 into the hole provided for the silencer.

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- The aspiration ejector can either remain in the device or be removed and used as a spare part.

5 Test Instructions

5.1 Leakage-test

- Reconnect all hoses (central supply hoses measured gas return hose) and check for bubbles the stopper M33257 on the ventilation unit by using the „biomat spray pump“. No bubbles should be formed.
- Reinsert the pneumatic module into the housing, taking care to ensure that cables are not kinked or squashed. Insert breathing system and reconnect hoses (central supply hoses + measured gas return hose). Perform switch-on test, leakage must be lower than 66mL/min.

5.2 Performance testing and vacuum aspiration

-
- Read off the vacuum on the pressure gauge of the Julinan:
  Power: P = -0.7 bar in 10 sec.
  End pressure: P_{stat} = -0.8 bar ± 0.1 bar
- the full controll range of -0.2 to -0.9 bar must be reached via the bypass valve.

5.3 StK and switch on test

Once the switch on test has been carried out successfully, close the back wall and perform safety checks as per Julian Test Certificate, item 22.

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